

Code	Message Text / Parameter(s)	Code	Message Text / Parameter(s)
UPLINK Messages (From Air Traffic Controller to Pilot)		DOWNLINK Messages (From Pilot to Air Traffic Controller)	
0	UNABLE	0	WILCO
1	STANDBY	1	UNABLE
3	ROGER	2	STANDBY
4	AFFIRM	3	ROGER
5	NEGATIVE	4	AFFIRM
211	REQUEST FORWARDED	5	NEGATIVE
6	EXPECT (level)	6	REQUEST (level)
14	AT (position) EXPECT CLIMB TO (level)	9	REQUEST CLIMB TO (level)
16	AT (position) EXPECT DESCENT TO (level)	10	REQUEST DESCENT TO (level)
19	MAINTAIN (level)	18	REQUEST (speed)
20	CLIMB TO (level)	56	MAYDAY MAYDAY MAYDAY
22	AT (position) CLIMB TO (level)	62	ERROR (error information)
23	DESCEND TO (level)		
25	AT (position) DESCEND TO (level)		
26	CLIMB TO REACH (level) BY (time)		
27	CLIMB TO REACH (level) BY (position)		
28	DESCEND TO REACH (level) BY (time)		
29	DESCEND TO REACH (level) BY (position)		
171	CLIMB AT (vertical rate) MINIMUM		
172	CLIMB AT (vertical rate) MAXIMUM		
173	DESCEND AT (vertical rate) MINIMUM		
174	DESCEND AT (vertical rate) MAXIMUM		
46	CROSS (position) AT (level)		
72	RESUME OWN NAVIGATION		
75	WHEN ABLE PROCEED DIRECT TO (position)		
78	AT (level) PROCEED DIRECT TO (position)		
79	CLEARED TO (position) VIA (route)		

**FIG. 1**

FIG. 2A

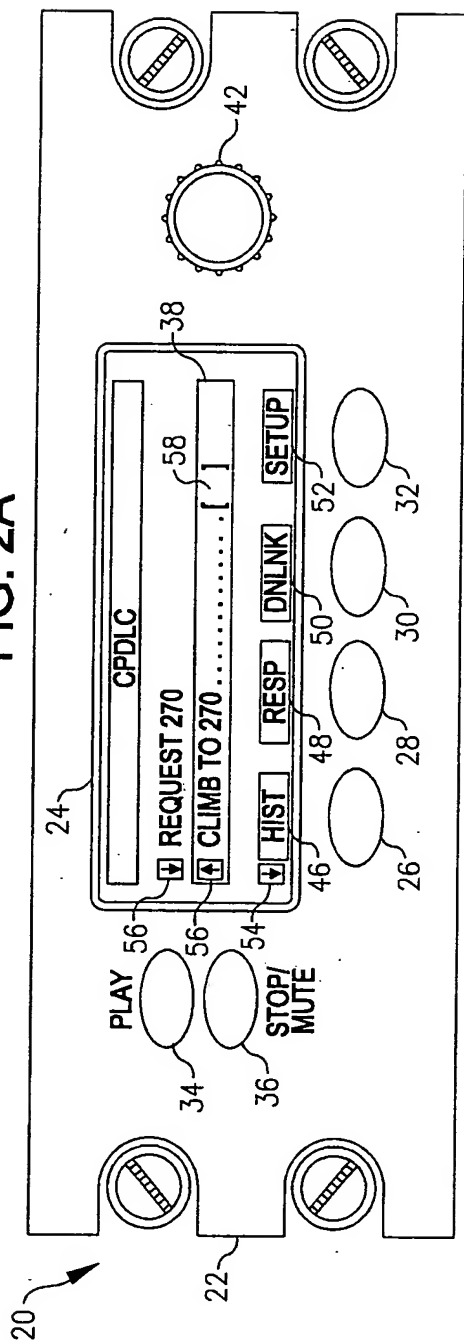


FIG. 2B

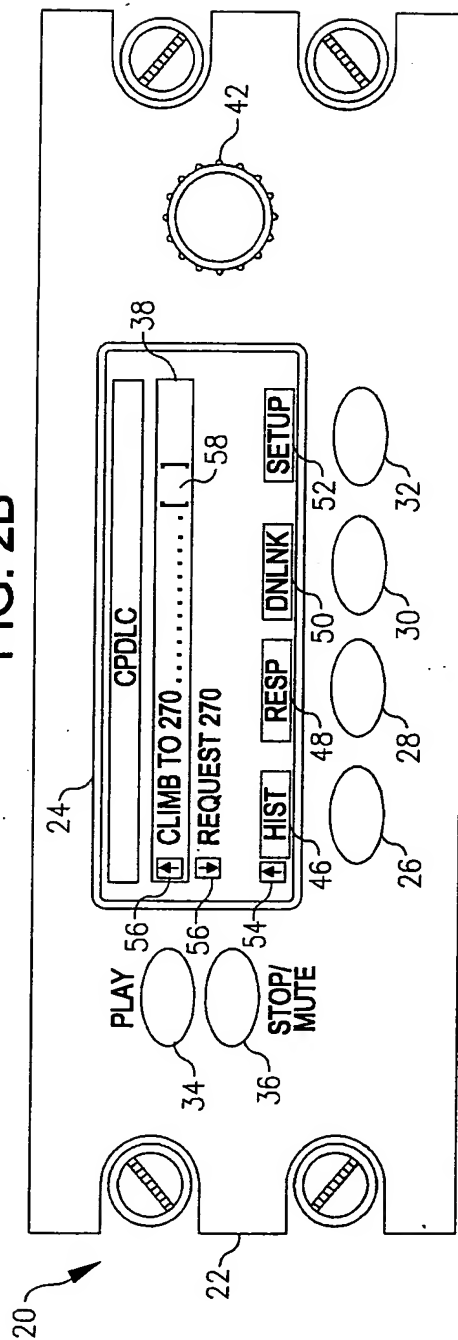


FIG. 3A

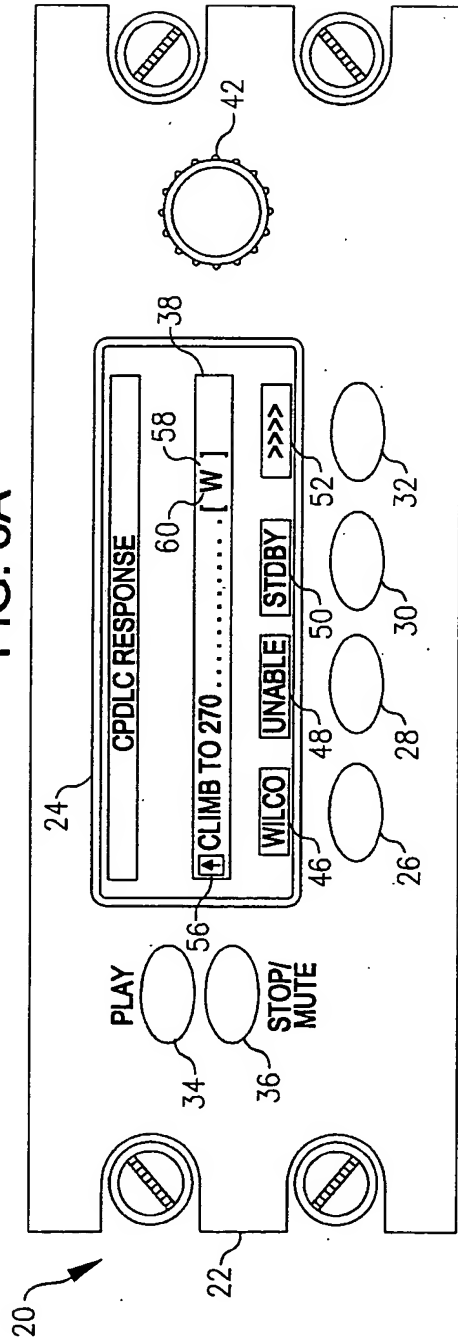


FIG. 3B

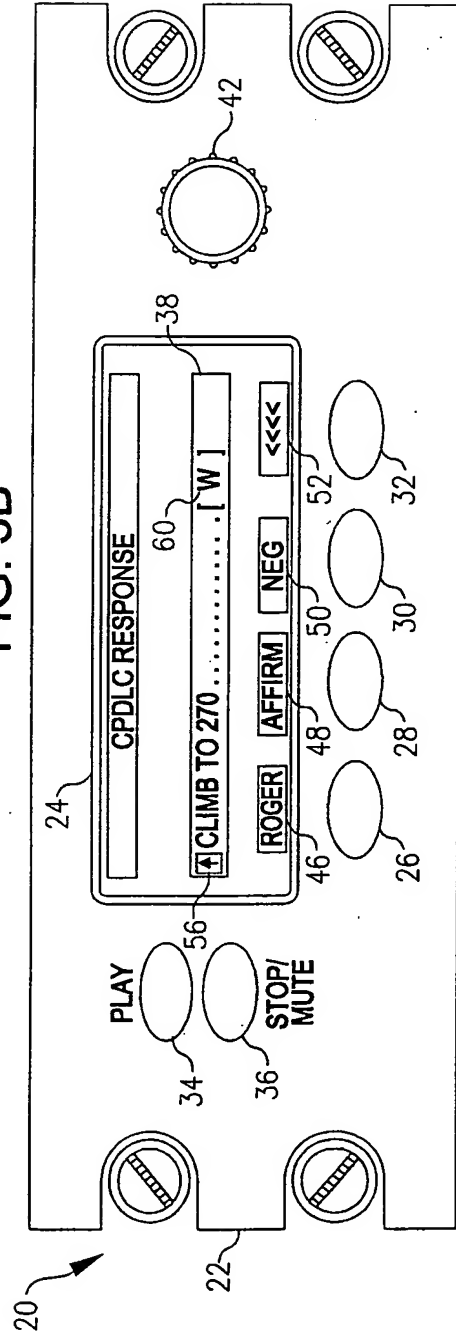


FIG. 3C

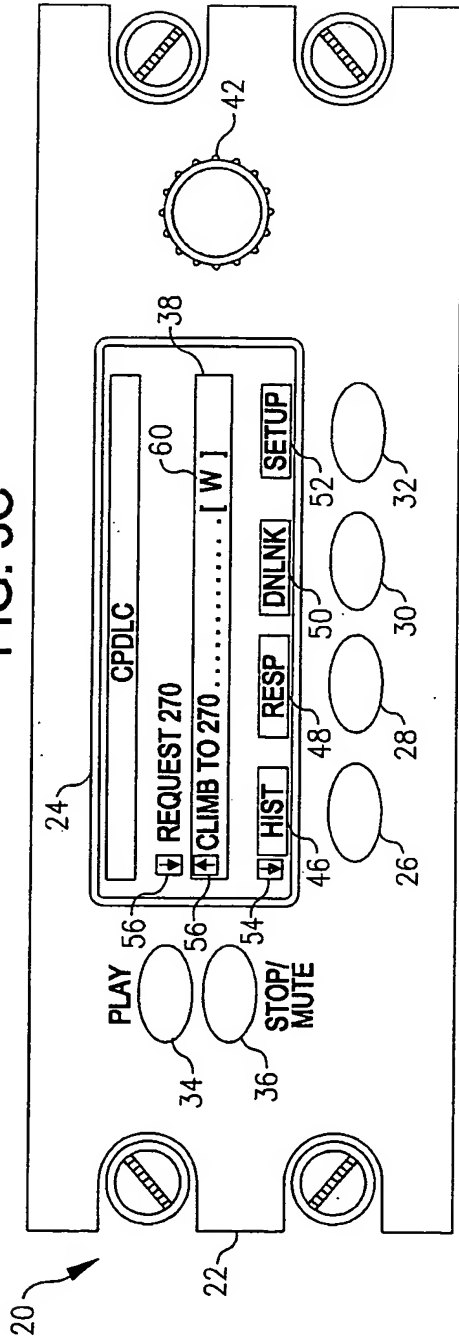
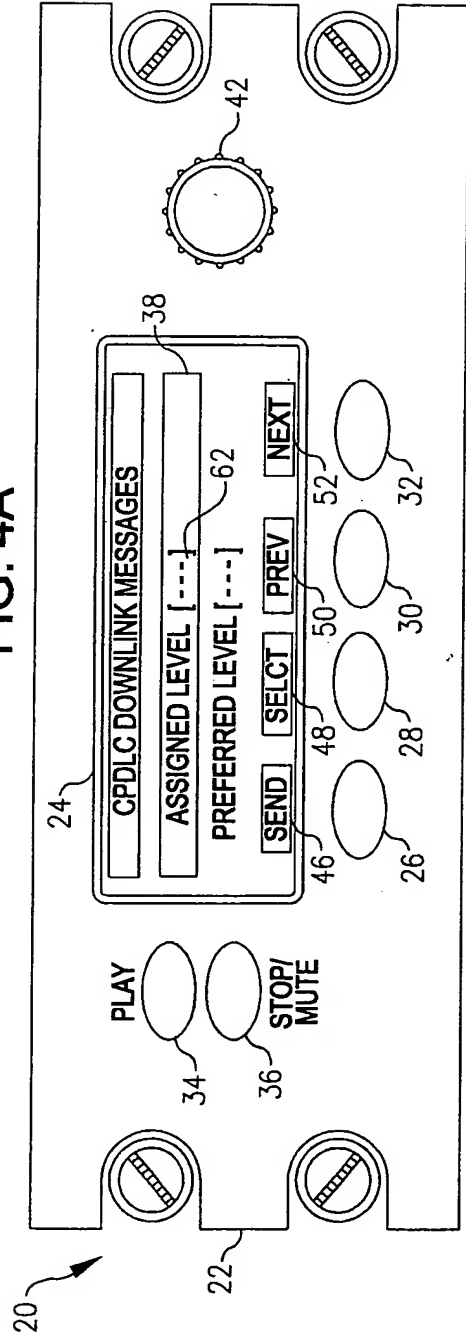


FIG. 4A



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